

## Product datasheet for **MG208407**

### Sec24d (BC049257) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec24d (BC049257) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sec24d
Synonyms:	2310020L09Rik; Gm1349
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208407 representing BC049257  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGTGACGGATGTCGGAGAGTCTTTGTTCCTTTGTGGATGGGTTCTTGTCAACTATGAAGAAT  
 CTCAATCTGTGATCCACAATTTATTGGACCAGATTCTCGAGATGTTTGTGACTCTAATGAAAACGAGAC  
 AGTCTTTGCCCGGTCCATCCAGGCCGGCATGGAGGCCCTGAAGGCAGCAGAGTGCCCGGGGAAGCTCTTC  
 ATCTTCCATTCTCTTTGCCTACTGCCGAAGCACCGGGGAAGCTCAAGAACAGAGACGACAAAAAGCTGG  
 TGAACACAGACAAAGAGAAGATACTTTCCAGCCCCAACAGCTGTCTACGAATCTCTGGCCAAAGACTG  
 TGTGGCCAAACAGCTGCTCAGTACTCTGTTCTCTTCCCAGTCAGTTTGTGGATGTGGCTTCTTGGGT  
 CTGTTCTCTGCTCACGGGAGGAAGCTTTACAATAACAACGTTTCCAGATACATTAGATAGCCAAA  
 GGTTCGACCGACCTCCGAATGATATTGAGAAGAAAAAGGCTTCGATGCTATCATGAGGTTCCGGAC  
 CAGCACAGTTTCCAGGGCCACTGATTTCTTTGGTGAATATTCATGAACAACACCACAGATGTGGAATG  
 GCGCCATCGACTGCGATAAAGCCGTGACAGTGGAGTTCAAGCAGATGACAAGCTCAGTGAAGATGTCG  
 GGGCCCTGATCCAGTGTGCTGTGCTCTACACGACCATCAGTGGTCAGCGAAGACTCCGGATTCACAATCT  
 CGCCTTAAACTGCAGCACCCAGCTAGCGGATCTGTACAAGAGCTGTGAACTGATGCCCTTATCACTTC  
 TTTGCCAAGTCAGCTTTTAAAGCAGTTTGAACCAGCCCTTGAAGGCCATCCGGGAAATTCAGTCAATC  
 AGACTGCCCATATGCTGGCGTGTACCAGGAGCACTGTGCGAGTCCGTCTGCAGCAAGCCAGCTTACT  
 GCCAGATTCATGAAGGTGCTGCCTGTACATGAACAGTTTGTGAAAACTGTGTGCTGCTCAGCAGA  
 TCGGAGATCTCCCTGATGAGCGGGCTTACCAGCGCAGCTGGTCATGACCATGGGCGTGGCTGACTCCC  
 AGCTCTTCTTCTATCCACTGCTCCTGCCAATCCACAGCTTAGATGTGAAGAGTGCACGCTGCCACCAGC  
 CGTCCGCTGCTCCGAGTCCCGACTCTCTGAAGAAGGAATATTCCTGCTGGCTAACGGTCTGAACATGTTT  
 TTATGTTTGGAGTGGGAGCCACCAGAGCTGATTCAGGGAATTTTAATGTGCCATCGTTTGCACATA  
 TCAACACAGATATGACATCGCTGCCTGAGGTGGGAAGTCCACACTCTCAACAACCTCAGAATGATAATGAA  
 TAATATCCAGCAAAGAAGCCATACTCAATGAAGCTCATCGTGGTTAAACAGCGAGAGCAGCGGGAGATG  
 GCTTCCGACAGTTCTGGTGAAGATAAAGGGCTCTATGGAGGATCTTCGTACGTGGATTTCTCTGCT  
 GTGTTACAAGGAGATCTGTCAACTGCTTAAAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208407 representing BC049257  
 Red=Cloning site Green=Tags(s)

MVVTDVGEVFPVLLDGFVLYNVEESQSVIHNLDDQIPEMFADSNENETVFPVVIQAGMEALKAAECPGKLF  
 IFHSSLPTAEAPGKLNRRDDKLVNTDKEKILFQPQTAVYESLAKDCVANSCSVTLFLFPSQFVDVASLG  
 LVPLLTTGGTLYKYNVQIHSQSQRFLDRLRNDIEKKIGFDAIMRVRTSTGFRATDFFGGIFMNNTTDVEM  
 AAIDCDKAVTVEFKHDDKLSQVGVLIQCAVLYTTISGQRRRLRIHNLALNCSTQLADLYKSCETDALINF  
 FAKSAFKAVLNQPLKAIREILVNQTAHMLACYRKHCASPSAASQLILPDSMKVLPVYMNSLLKNCVLLSR  
 SEISPDERAYQRQLVMTMGVADSQLFFYPLLLPIHTLDVKSALPPAVRCSESRLEEGIFLLANGLNMF  
 LWFVGVSPPELIQGI FNVPSFAHINTDMTSLPEVGVSPHSQQLRMIMNNIQKPKPYSMKLIVVKQREQREM  
 AFRQFLVEDKGLYGGSSVDFLCCVHKEICQLLN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC049257

**ORF Size:** 1574 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [BC049257](#), [AAH49257](#)

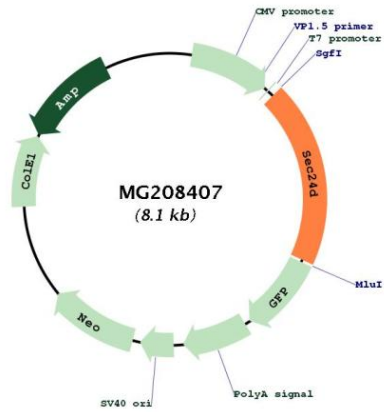
**RefSeq Size:** 2298 bp

**RefSeq ORF:** 1574 bp

**Locus ID:** 69608

**Cytogenetics:** 3 G1

Product images:



Circular map for MG208407